2015 HiDaC Conference Agenda
Wednesday, November 4th – Friday November 6th
Holiday Inn at Town Lake
Austin, TX

Wednesday, November 4th

Registration
7:00 – 8:30 a.m.

Welcome and Opening Remarks
8:30 – 9:00 a.m.

- *"Welcome to HiDaC"*
    - *James Koch, Director of Transportation Planning & Programming, TxDOT*
    - *Al Alonzi, Division Administrator – TX, FHWA*
    - *Thomas Roff, HPMS Program Manager, FHWA*

Session 1: Introduction to HiDaC - State Perspectives for Highway Data Reporting
9:00 – 10:00 a.m.
Two state perspectives on the flow of their yearly HPMS submittal, from data collection to the final submittal.

- *"Wisconsin DOT: The HPMS Data Life Cycle from Beginning to End"*
    - *Susie Forde & Karl Buck, Wisconsin DOT*
- *"Fitting Square Data in a Round Submittal: Kentucky's Efforts to Meet HPMS Requirements"*
    - *Josh Wentz & Ramsey Quarles, Kentucky DOT*

Break & Networking (30 minutes)
10:00 – 10:30 a.m.

Session 2: Collection Processes - Meeting HPMS Requirements
10:30 – 11:45 a.m.
Perspectives and methods of collecting data in the field as well as solutions to specific reporting requirements and issues encountered along the way.

- *"Bridge WiM: The Stealth WiM"*
    - *Patrick Pappano, Cestel Company*
- *"Data Gathering Using ESRI's Collector App"*
    - *Margaret Pridmore, Idaho DOT*

Lunch (1 hour 15 Minutes)
11:45 – 1:00 p.m.

Session 3: Data Modeling & Problem Solving
1:00 – 2:30 p.m.
Perspectives on data models (what works and what doesn't) as well as state or vendor solutions. Solution workflows for 'data problems' encountered throughout the year.

- *" 'Vendor Neutral' Software Approaches"*
    - *Kyle Gonterwitz, Kansas DOT*
- *"Leveraging Spatial Intelligence to Generate HPMS Traffic Data Items"*
    - *Maaza Mekuria, Hawaii DOT*

Break & Networking (30 minutes)
2:30 – 3:00 p.m.

Session 4: Enterprise Architecture: Designing for Success
3:00 – 4:30 p.m.

Approaches for meeting the needs of the end users. Perspectives on system design, functionality, performance, security and standards.

- *"Best of Breed & New Cloud-Based Choices"*
  - o   *Michael Terner, Applied Geographics*
- *"GRID: An Enterprise Data Management Application"*
  - o   *Michael Chamberlain, TxDOT*

Thursday, November 5th

Registration
7:00 – 8:30 a.m.

Session 1: State Perspective & Facilitated Discussion - The Role of IT, Data Supply Chains & Interdepartmental Communications
8:30 – 10:00 a.m.

- *"California State Perspective"*
  - o   *Mandy Chu, CalTrans*

Part I: Facilitated group discussion of the data expectations among the multiple highway data maintainers within a DOT, how those expectations are met (or not) and what role IT plays in the big picture.

Part II: Best practices for establishing data ownership and maintenance to ensure consistent and reliable data deliverables and reports.

Break & Networking (30 minutes)
10:00 – 10:30 a.m.

Session 2: Vendor Solutions to HPMS
10:30 – 11:45p.m.
Three vendor Presentations on various products and solutions available to meet HPMS requirements.

- *"Utilizing Transcend's Productivity Tools to Streamline your HPMS Submittal Process"*
  - o   *Jesse Jay & Connie Gurchiek, Transcend Spatial Solutions*
- *"HPMS/ARNOLD: Meeting the Needs of Complex Transportation Reporting"*
  - o   *Paul Sheedy, Bentley Systems, Inc. & Jennifer Cambell, Oregon DOT*
- *"Data Collection at Smart Intersections and Building the Bridge to the Future"*
  - o   *Jesse Manning, Rhythm Engineering*

Lunch (1 Hour 15 Minutes)
11:45 – 1:00 pm.

Session 3: Data Validation - FHWA & State Methods
1:00 – 2:30 p.m.
A look at current and future data validation practices within state DOTs and at FHWA.

- *"Streamlining The Validation Process"*
  - o   *Michael Martin, LSI Spatial Data Solutions*

Break & Networking (30 minutes)
2:30 – 3:00pm.

Session 4: Data Exchanges & Standards
3:00 – 4:30 p.m.
State perspectives on what works and what doesn't when gathering and using data from third party providers.

- "Hootenanny: Creating an Open Source Conflation Engine"
  o *Josh Sisskind & Mike Jeffe, Digital Globe*
- *"The Open Road: How 2 Million Volunteers Maintain a Global Free and Open Road Map"*
  o *Martijn van Exel, Digital Globe*
- *"LiDAR Data for Oversize Permitting"*
  o *Raymond Mandli, Mandli Communications & Tom Yarborough, TxDOT*

Friday, November 6th

Session 1: Turning Data into Information: Visualization & Analysis
8:30 – 10:00 a.m.
An in-depth look at the multipurpose value of data, paper and web maps, planning, and analysis methods as well as the value of highway data for state agencies and third party data consumers.

- *"Turning Vision into Reality: Using Highway Data in Kentucky's Project Selection Process"*
  o *Charlie Spalding & Ramsey Quarles, Kentucky DOT*
- *"Something for Everybody: Web-based Solutions at Oklahoma DOT"*
  o *Jeremy Planteen, Oklahoma DOT*

Break & Networking (30 minutes)
10:00 – 10:30 a.m.

Session 2: Wrap Up & Open Discussion
10:30 – 12:00 p.m.
Group discussion in a 'round table' atmosphere to discuss conference topics, share ideas, and wrap up HiDaC 2015.

- *"Subject to Be Determined"*
  o Thomas Roff, Moderator